PCS615-RPS-P-B

Self Amplified Wall Mount Speaker System

The **AMK PCS615-RPS-P** is a pair self amplified cabinet speaker system with a companion speaker. It features a 40 watt Class D digital design amplifier, with > 75% efficiency and one of AMK's world class coaxial drivers. The CX602 speaker, a full range, low distortion, transducer is one of only a few that, though designed for overhead applications in the commercial sound industry, produces audio quality that is equally at home in the demanding world of extended sound fields and recording studios as well.

Excellent dispersion, wide bandwidth, and a smooth frequency response make this the top choice for cabinet as well as overhead commercial applications.

There are wide ranges of applications of this unit including extending the sound field to where ceiling speakers are not appropriate or desired, These applications also include educational markets and corporate boardrooms where direct input of the signal from a is desired i.e. projector or mobile audio source.

Transducer Specifications	
Frequency Response	65 Hz - 20 kHz
Voice-coil diameter	1"
Average Beamwidth @ 2 kHz	144 deg.
Magnet Weight	13 oz
Magnet Material	Barium Ferrite
Tweeter	13mm Polyamide Soft Dome
Woofer Cone	Polypropylene
Surround Material	Inverted Rubber
Crossover Frequency	6.3 kHz

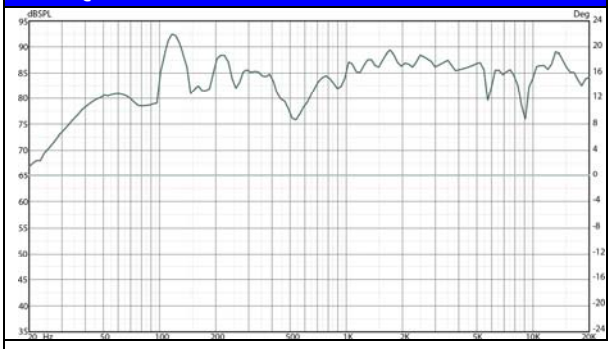
FEATURES

- Plastic Enclosure Type with perforated metal grill
- High performance 6½" coaxial loudspeaker with wide dispersion
- Very high performance 40 watt digital amplifier
- Wide choice of input and control configurations

Speaker ships with U bracket, omni directional bracket is available at nominal amount.

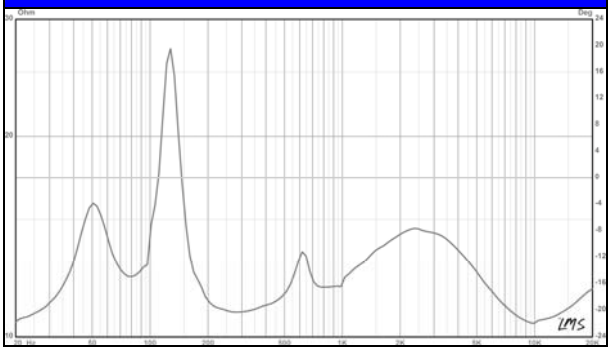
Enclosure Specifications	
(Enclosure listed under **UL 94**)	
Enclosure	Acrylonitrile Butadiene Styrene (ABS)
Height	12"
Width	9"
Depth	7"
Bracket	Metal U bracket with screw knob on the side and electro welded insert for omni mount on rear plane.
Grille	Perforated Metal

FREQUENCY RESPONSE



Amplifier Specifications	
Amplification	40 watt Class D design amplifier
Amplifier Efficiency	> 75%
Total Harmonic Distortion	< 0.2%
Signal to Noise Ratio	>95dBv
Protection	Short circuit to supply and ground, as well as under current
Controls	Input potentiometer level adjustment

IMPEDANCE CURVE



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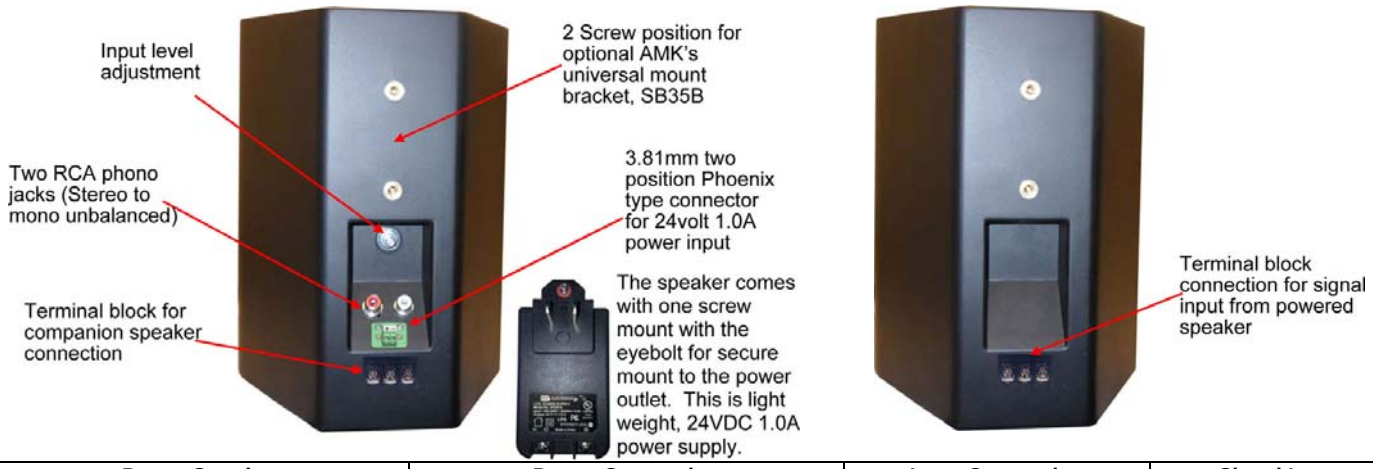
MODEL CONFIGURATION



Power Supply	Power Connection	Input Connection	Signal Input
External 24VDC 1.0A Screw Terminal	3.81mm two position Phoenix type connector	Two RCA phono jacks	Stereo to Mono Unbalanced

MOUNTING OPTIONS

The speakers comes with a U Brackett

The plastic handle screw knob makes it a snap for installation.

SB 35B
Optional Universal Mount Bracket

Architect's & Engineer's Specifications

The powered loudspeaker system shall be **AMK PCS615-RPS-P**. The powered speaker shall feature a 40 watt Class D design amplifier, with >75% efficiency within the speaker. The system shall have a companion speaker connected via terminal block using 18-22 AWG speaker wire. The speaker driver assembly in the system shall be of the coaxial type with an 6.5" woofer of polypropylene, an inverted rubber surround, and a 1" polyamide soft dome, post mounted, tweeter.

The transducer in the each loudspeaker system shall be AMK CX 602 coaxial loudspeaker. The woofer shall have a 13 oz. (369g) Barium Ferrite magnet. The two reproducer sections shall be coupled through a built-in capacitor bypass crossover. The crossover frequency shall be at 5.0 kHz. The low frequency reproducer shall have 1" (25.4mm) voice coil and the high frequency reproducer shall have 0.51" (13mm) voice coil.

The system shall have a frequency response of 65 Hz- 20 kHz (+/- 5dB). The power handling shall be 25watts at 8 ohm impedance. The sensitivity shall be 91dB at 1watt / 1meter.

Each of the cabinet enclosure shall be constructed of high-impact ABS. The grille shall be completely powder coated for resistance against rusting, shall be bake-painted black.

The installation shall be done with U bracket provided with the cabinet with plastic knob screw on the side of the cabinet. Optional AMK SB-35 multi directional bracket may be used for installation as well.

The total weight of the unit system shall not exceed 7.0 lbs.

The loudspeaker system shall be AMK Innovations model **PCS615-RPS-P.**

Conforms to EIA Standards: RS-276-A, RS-278-B, RS-426-A